ST7MCx control board with motor control connector

Data brief

Features

- 5 V power supply connector
- 34-pin dedicated motor control connector
- Serial communication interface connector
- Programming and debug support via 10-pin ICC connector
- On-board 2 Kb (256 byte) serial memory
- 4 potentiometers for runtime settings
- Start / stop button
- Reset button
- Debug pins available
- RoHS compliant



STEVAL-IHM010V1

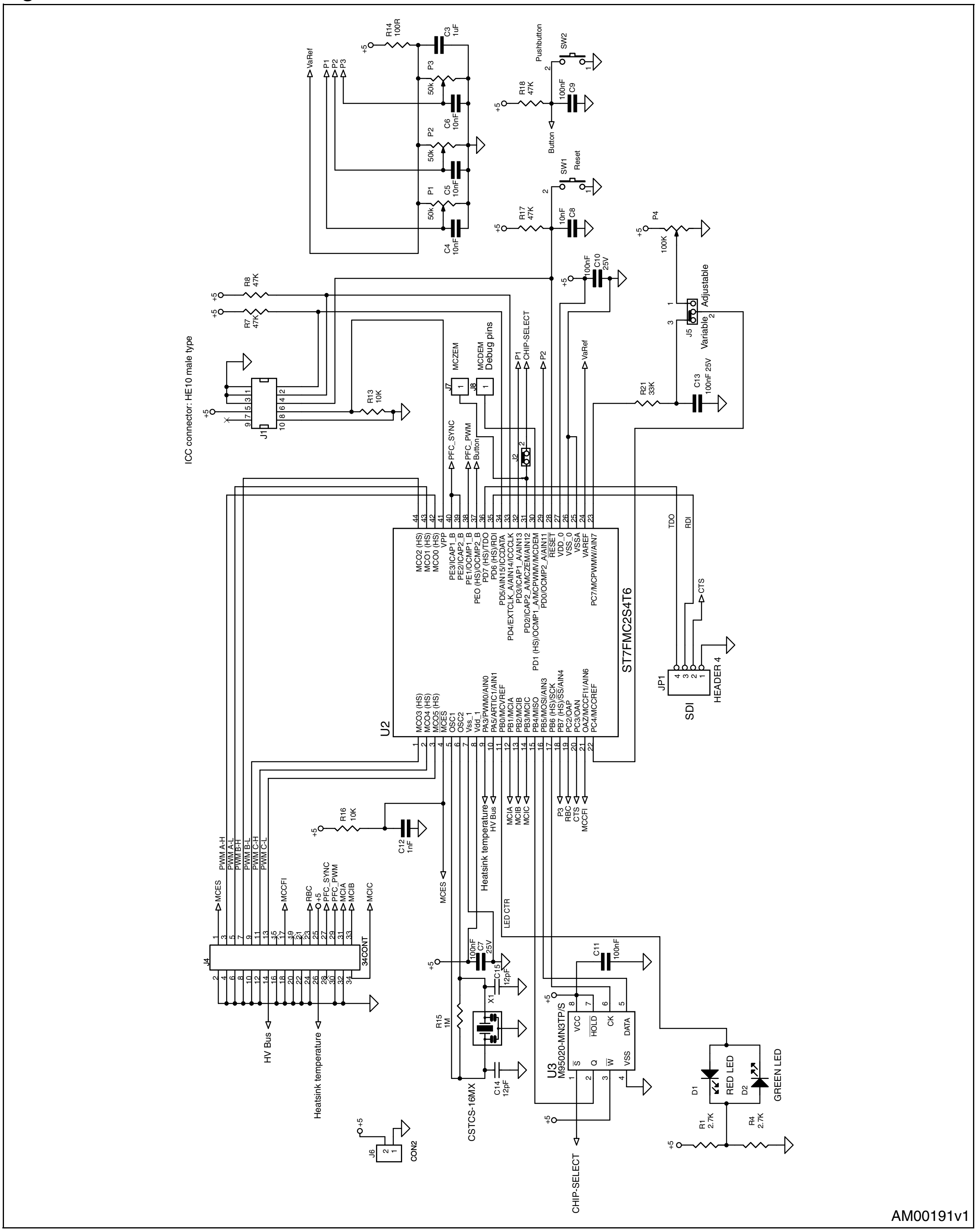
Description

The STEVAL-IHM010V1 demonstration board is a complete development platform for STMicroelectronics' 8-bit ST7MCx microcontroller with 16 KB internal Flash memory. Based on a cost-effective, flexible and open design, the board helps demonstrate the ST7MCx's capabilities and enables rapid evaluation of the microcontroller's motor-control peripherals.

The STEVAL-IHM010V1 has a motor-control connector and hardware features for developing motor control applications based on ST7MCx peripherals, including the motor-control peripheral (MTC) and serial communication interface (SCI). In addition, it uses an in-circuit communication (ICC) standard interface to connect to a host PC via in-circuit debuggers/programmers such as the inDART-STX board from Softec.

1 Schematic diagram

Figure 1. STEVAL-IHM010V1 circuit schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
24-Nov-2010	1	Initial release.